

What impact have  
the Internet and  
other technologies  
had on ...

**news, newspapers,  
magazines?**

What impact have  
the Internet and  
other technologies  
had on ...  
**banking,  
money management,  
personal finance?**

What impact have  
the Internet and  
other technologies  
had on ...

**television,  
movies, video?**

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the Internet and  
other technologies  
had on ...

**maps, car/airline travel,  
travel agencies?**

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other technologies  
had on ...

music, records,  
CDs, radio?

What impact have  
the Internet and  
other technologies  
had on ...  
medicine,  
personal health?

What impact have  
the Internet and  
other technologies  
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**reading, books?**

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other technologies  
had on ...

**how we connect,  
network, communicate  
with each other?**

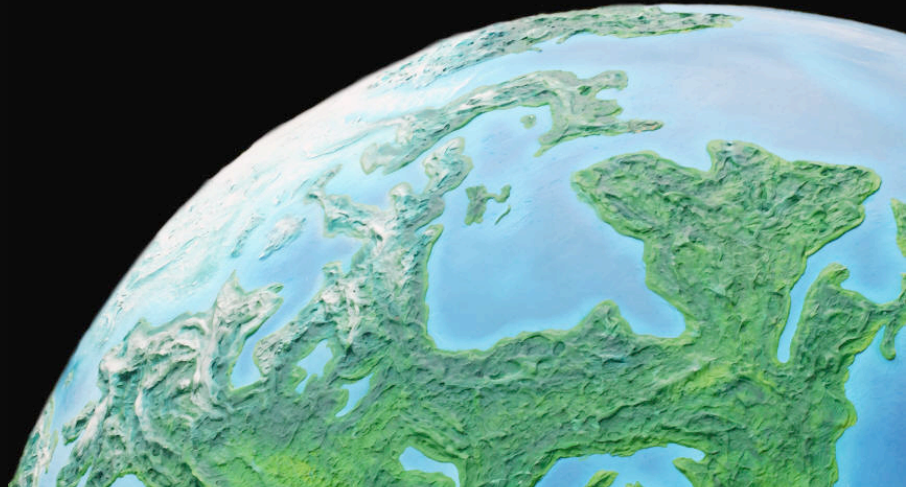
What impact have  
the Internet and  
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**universities?**

What impact have  
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**K-12 schools?**

# 2 big shifts **and** 1 big problem

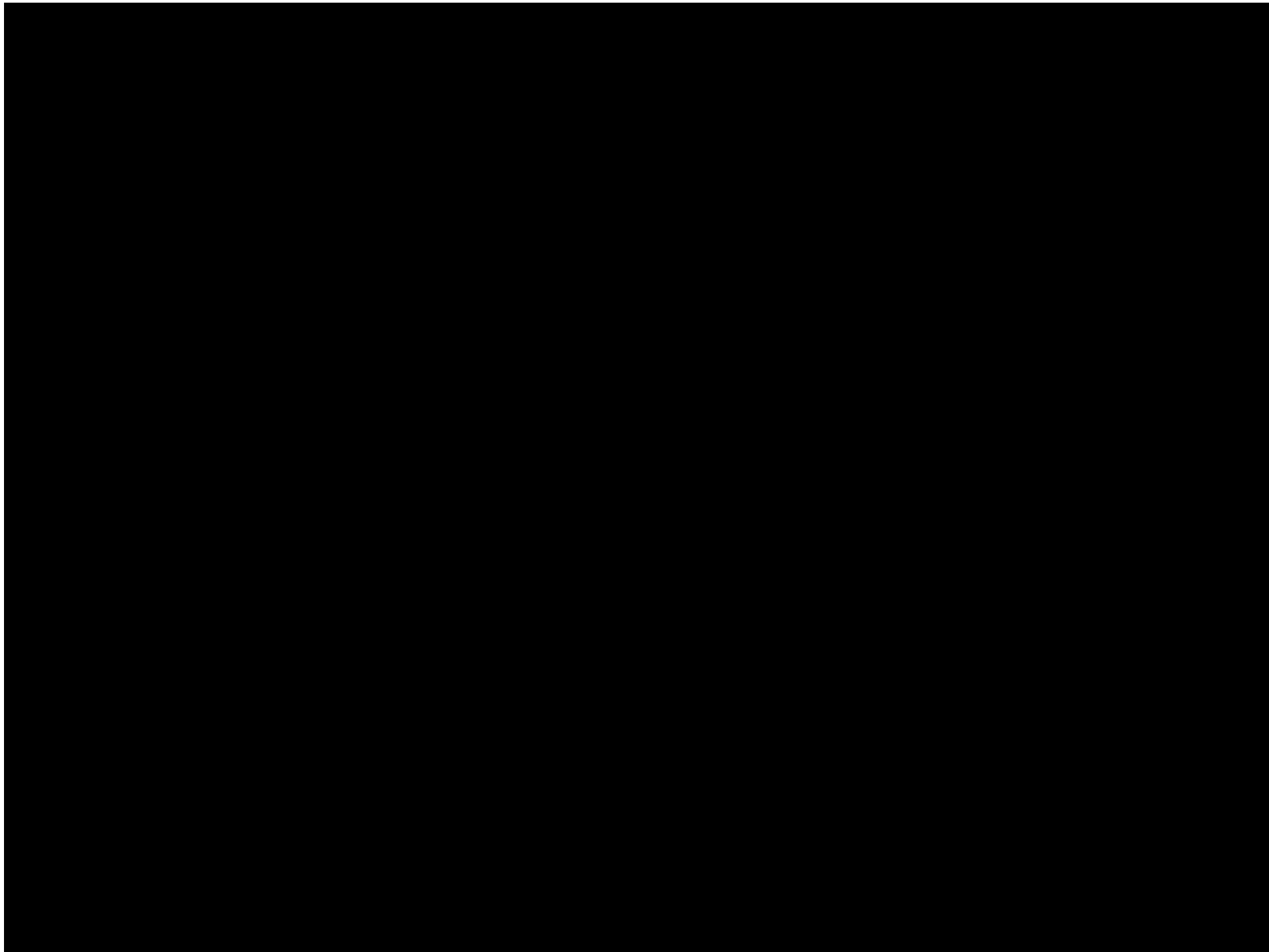
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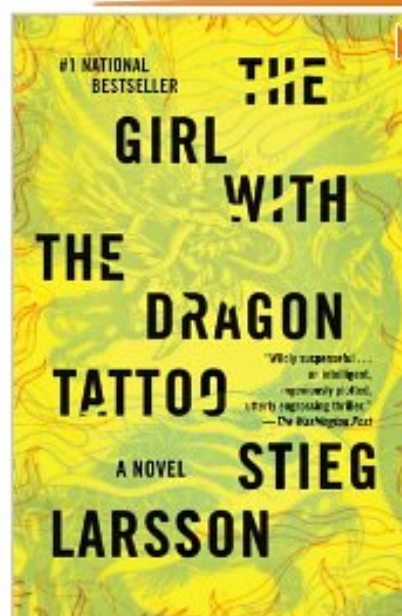
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[Stieg Larsson](#) ▼ (Author), [Reg Keeland](#) (Translator)★★★★☆ ▼ ([1,242 customer reviews](#))List Price: ~~\$14.95~~Price: **\$7.15** & eligible for free shipping with **Amazon Prime**You Save: **\$7.80 (52%)****In Stock.**Ships from and sold by **Amazon.com**. Gift-wrap available.[96 new](#) from **\$6.70**   [64 used](#) from **\$5.86**   [1 collectible](#) from **\$175.95****Formats**

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### Today's featured article

***Blade Runner*** is a 1982 American science fiction film, directed by [Ridley Scott](#) and starring [Harrison Ford](#), [Rutger Hauer](#), and [Sean Young](#). The screenplay, written by [Hampton Fancher](#) and [David Peoples](#), is based on the novel *Do Androids Dream of Electric Sheep?* by [Philip K. Dick](#). The film depicts a [dystopian Los Angeles](#) in November 2019 in which genetically manufactured beings called [replicants](#)—visually indistinguishable from adult humans—are used for dangerous or menial work on Earth's "[off-world colonies](#)". Following a replicant uprising, replicants become illegal on Earth and specialist police called "blade runners" are trained to hunt down and "retire" escaped replicants on Earth. The plot focuses on a brutal and cunning group of recently-escaped replicants hiding in Los Angeles and the semi-retired blade runner, [Rick Deckard](#), who reluctantly agrees to take on one more assignment. *Blade Runner* initially polarized [critics](#): some were displeased with the pacing, while others enjoyed its thematic complexity. The film performed poorly in North American theaters. Despite the box office failure of the film, it has since become a [cult classic](#). *Blade Runner* has been hailed for its production design, depicting a "retrofitted" future. It remains a leading example of the [neo-noir](#) genre. Seven versions of the film have been shown, for various markets, and as a result of controversial changes made by film executives. A rushed [Director's cut](#) was released in 1992 after a

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- In the process to revalue the [North Korean won](#), current [banknotes](#) cease to be [legal tender](#), and businesses throughout the country shut down; new notes are released on 7 December.
- [José Mujica](#) (*pictured*) is [elected](#) President of [Uruguay](#).
- [Porfirio Lobo](#) is [elected](#) President of [Honduras](#) in the 2013 election since the [2009 Honduran constitutional crisis](#).
- In a [referendum](#) in [Switzerland](#), voters [approved](#) the construction of [minarets](#) in the country.
- [Rwanda](#) is admitted under the [Edinburgh Convention](#) to the [Commonwealth of Nations](#), becoming its 25th member without any formal historical ties to the [United Kingdom](#).
- At least 26 people are killed after a [bomb explosion](#) under a train on the [Moscow–Saint Petersburg railway](#) near [Bologoye](#) in [Russia](#).

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Hello everyone and thanks for logging into our site. We are Southeastern Kentuckys first podcast. The show is catered around local events, people in the news, and general humor of just things going on that we see while traveling through this part of the state of Kentucky. Believe me, some of the things that we see and hear are pretty crazy and hilarious, and we hope that you are entertained by our humor. The hosts of this site are Jason and Adam both of Somerset, KY. We look forward to hearing feedback from you as well.

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#### Jason Appears On 808Talk

The crew at 808Talk celebrated their one year anniversary of podcasting and Jason was fortunate to be a part of the action. Giving his mainland view of life in Hawaii and how 808Talk has helped to...

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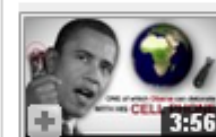
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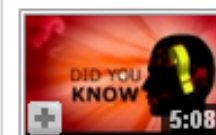
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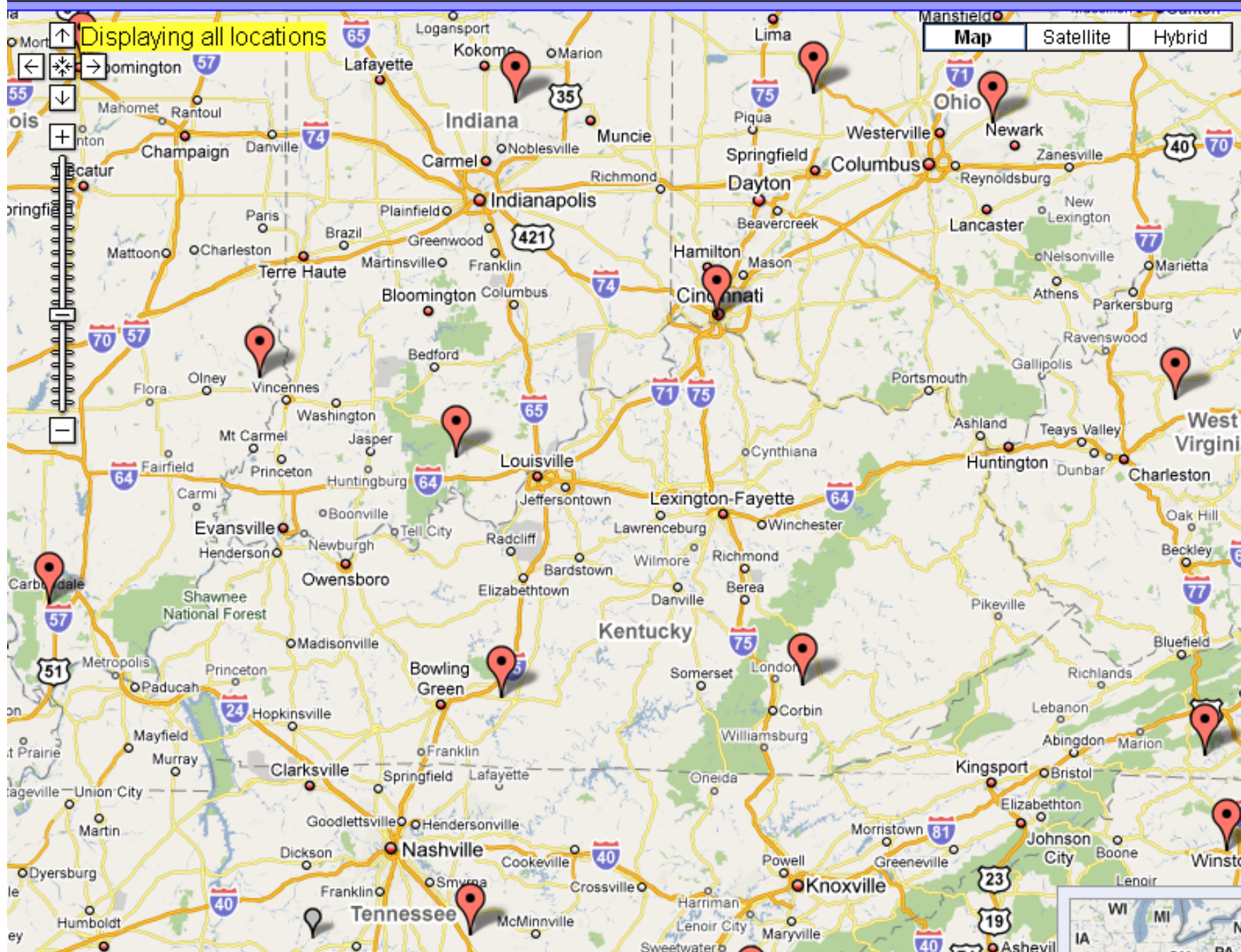
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information  
landscape**



Growing up assuming you can publish whatever  
you want to say, to whoever you want to say it, is  
going to make people different - Russell Davies





**WEB 2.0 "It's not an audience,  
it's a community"**

The centrality of group effort to human life means that anything that changes the way groups function will have profound ramifications for everything from commerce and government to media and religion.

Clay Shirky | Here Comes Everybody | p.16



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**Latest:** Just left a L-O-N-G response to a critic of @chrislehmann's nomination for ISTE keynote <http://bit.ly/5tMICH> #iste10 1 day ago

update

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**ransomtech** @smeech Then it's official then! We deal with the present and plan for the future.

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<b>Jeff Tong</b>	Invitation to connect	Dec 8	take action
<b>TJ Fletcher</b>	Invitation to connect	Dec 4	take action
<b>Richard Byrne</b>	Invitation to connect	Dec 4	take action

Action items: [Invitations \(35\)](#), [InMails \(1\)](#), [See all messages](#)

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**Mark V. Chaffee** joined the group [Rural Marketing](#) 1 hour ago  
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Owner, Educational  
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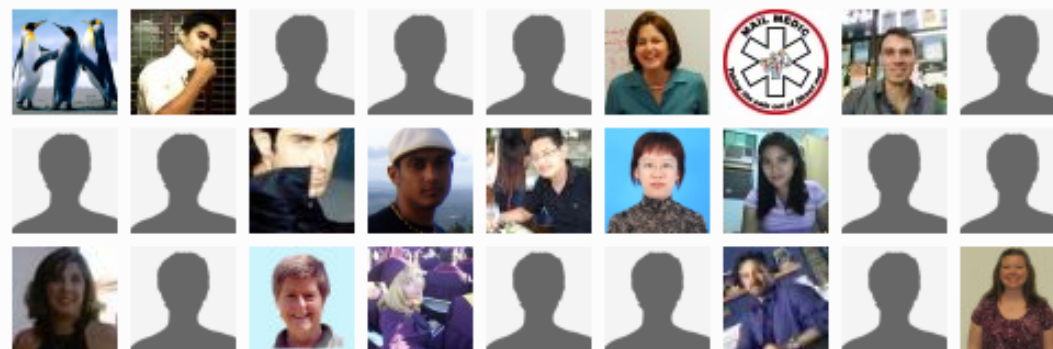
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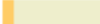
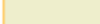
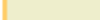
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## The most helpful favorable review

236 of 254 people found the following review helpful:

## ★★★★★ "Salander alone against the world"

In THE GIRL WHO PLAYED WITH FIRE, the second volume in the late Stieg Larsson's Millennium Trilogy, publisher Mikael Blomkvist and the police are conducting parallel investigations into three horrifying murders -- and their initial evidence points straight at young computer genius and social misfit Lisbeth Salander. Kalle Bastard Blomkvist (as Salander has begun referring...

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Published 10 months ago by K. M.

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## The most helpful critical review

68 of 76 people found the following review helpful:

## ★★★★☆ Pleasing sequel

This is the second book in the Millenium series created by Stieg Larsson. The plot revolves around the human and sex trafficking industry in Sweden and the murder of three individuals with connections to the Lisbeth Salander character.

I found this to be a pleasing (yet inferior) sequel to "Dragon". While one does not need to read Dragon, I would recommend it...

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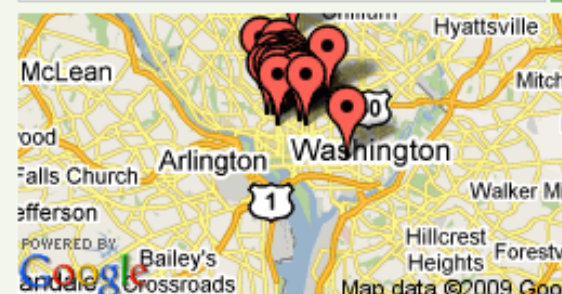
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Reviews Counted: 148  
Fresh: 145 Rotten: 3  
Average Rating: 7.9/10

**Consensus:** Boasting dazzling animation, a script with surprising dramatic depth, and thrilling 3-D sequences, *How to Train Your Dragon* soars.

**Rated:** PG [\[See Full Rating\]](#)

**Runtime:** 1 hr 38 mins

**Genre:** Theatrical Release, Family  
(General)

**Theatrical Release:** Mar 26, 2010 Wide

**Box Office:** \$214,426,381

**Synopsis:** From the studio that brought you "Shrek," "Madagascar" and "Kung Fu Panda" comes "How to Train Your Dragon." Set in the mythical world of burly Vikings and wild dragons, and based on the book by... [\[More\]](#)

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Mary and Max.



Sometimes the perfect strangers make the best of friends.

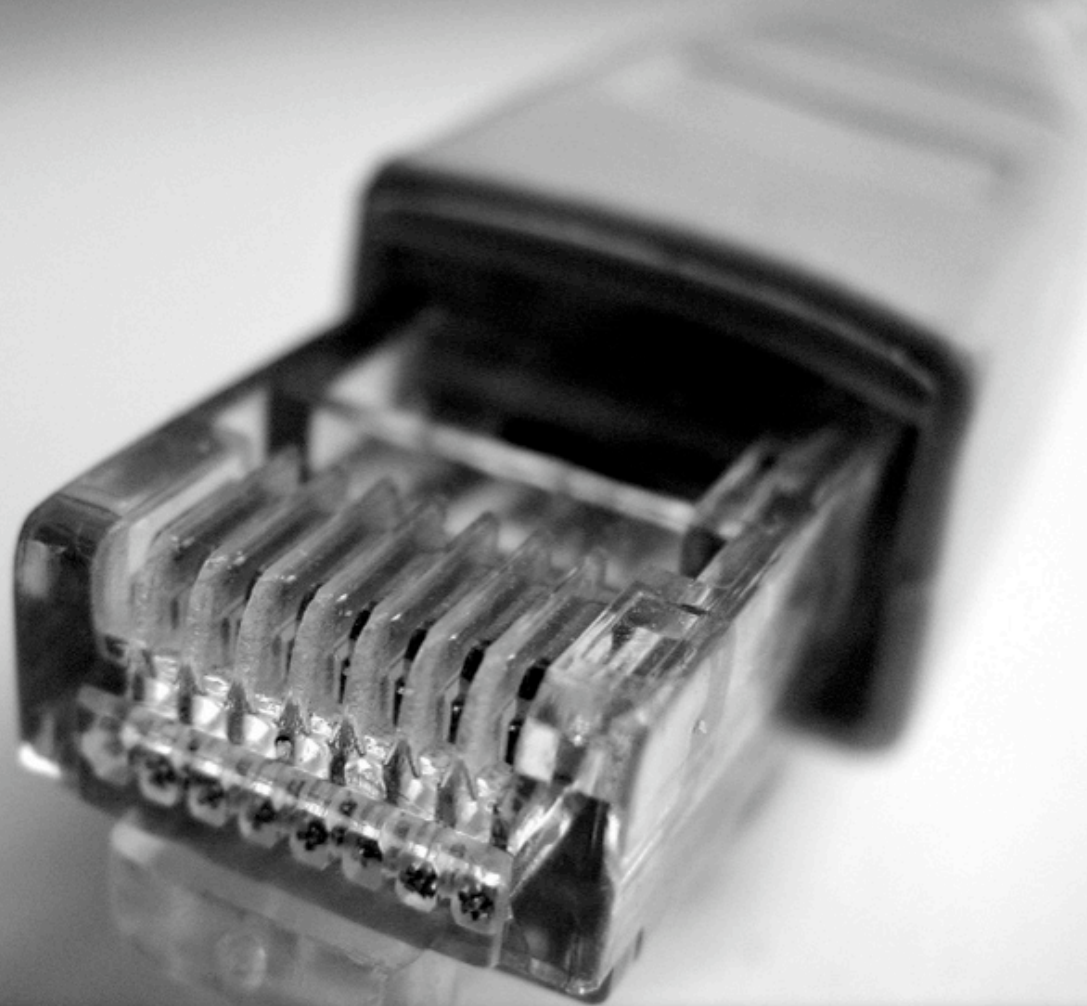
IFC Films mpi

MORE MOVIES

TOP BOX OFFICE

69% [The Karate Kid](#)





If you generally think of the Internet as a place to “look up stuff” you’re missing the best part

**We all now  
have a voice**

**(and can find  
each other, share,  
connect, collaborate)**

**Anytime/anywhere**  
**content production,**  
**connection,**  
**collaboration...**

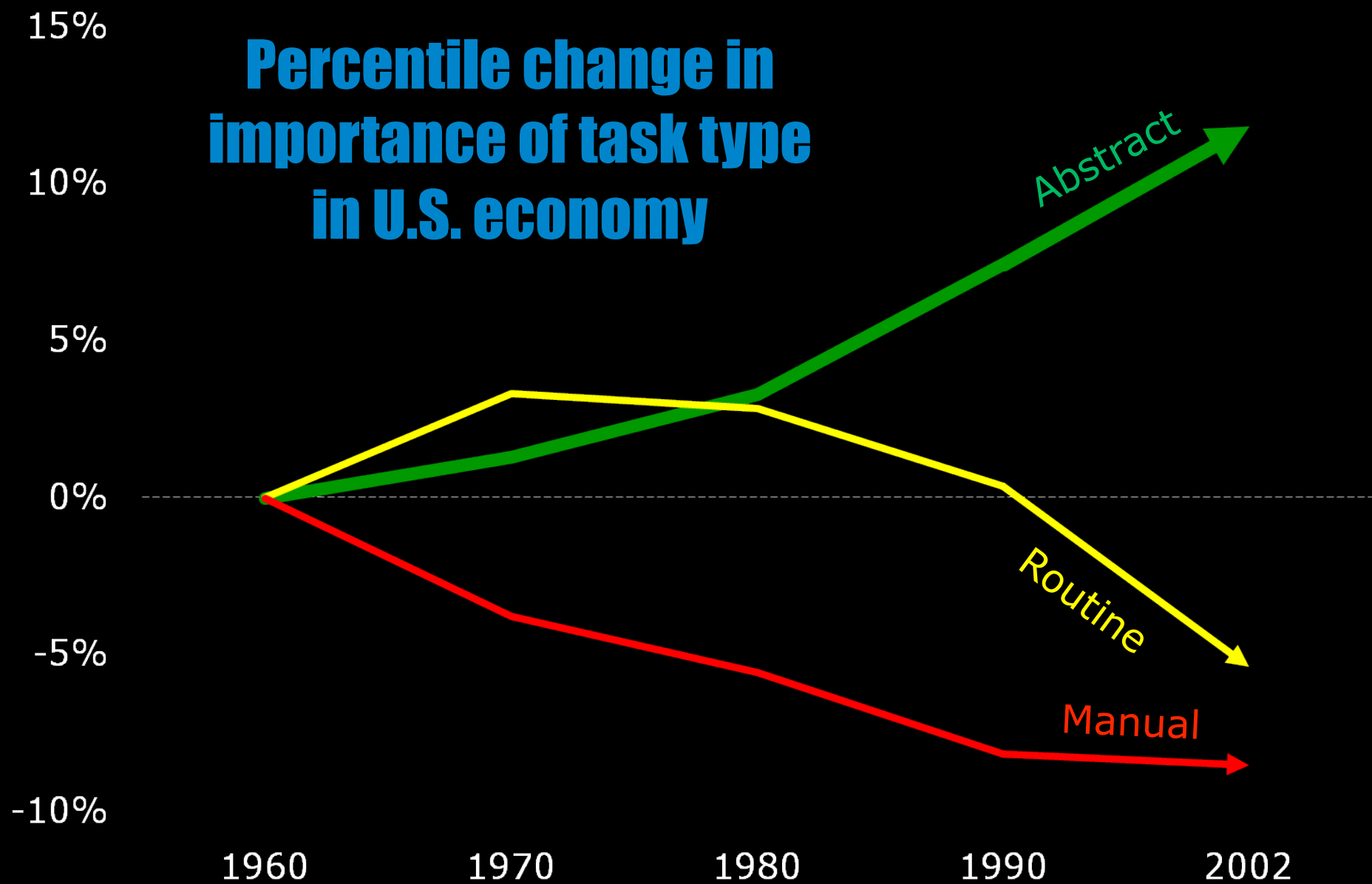
A photograph of a weathered, light-colored gravestone with a rounded top, set on a base. The stone is covered in dark spots and has faint, illegible inscriptions on its sides. The text "CHANGE OR DIE" is overlaid in a bold, dark, sans-serif font in the center of the stone. The background shows a cemetery with other graves and trees.

**CHANGE  
OR DIE**

**[ pause ]**

# Big shift 2

## Percentile change in importance of task type in U.S. economy



Autor, D., Levy, F., & Murnane, R. J. (2003). The skill content of recent technological change: An empirical exploration. *Quarterly Journal of Economics* 118, 4. [updated, D. Autor, 2008]

global awareness

effective speaking

critical thinking

problem solving

adaptability

information literacy

collaboration

creativity

media fluency

analytical skills

entrepreneurialism

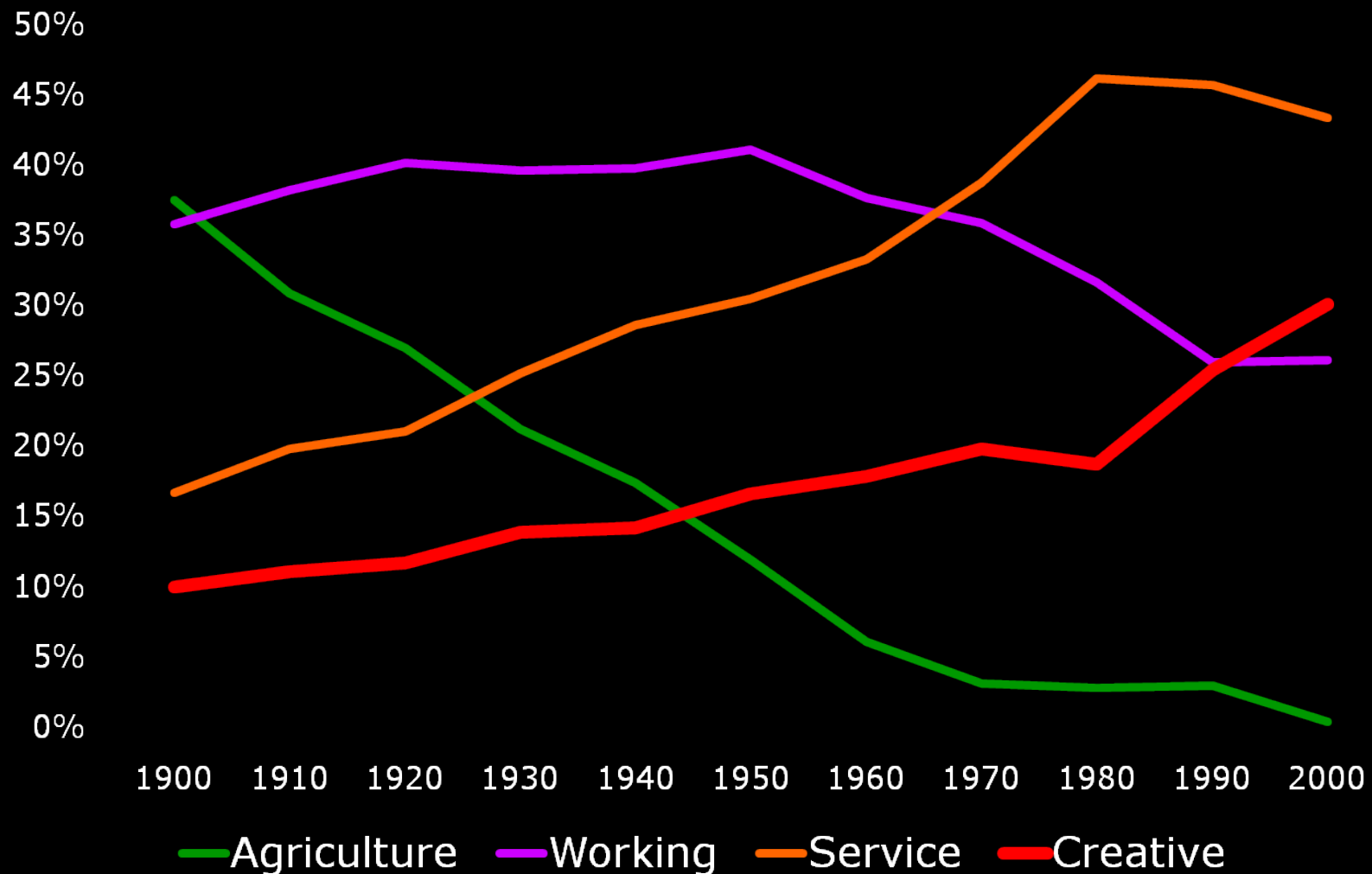
innovation

effective writing

synthesis

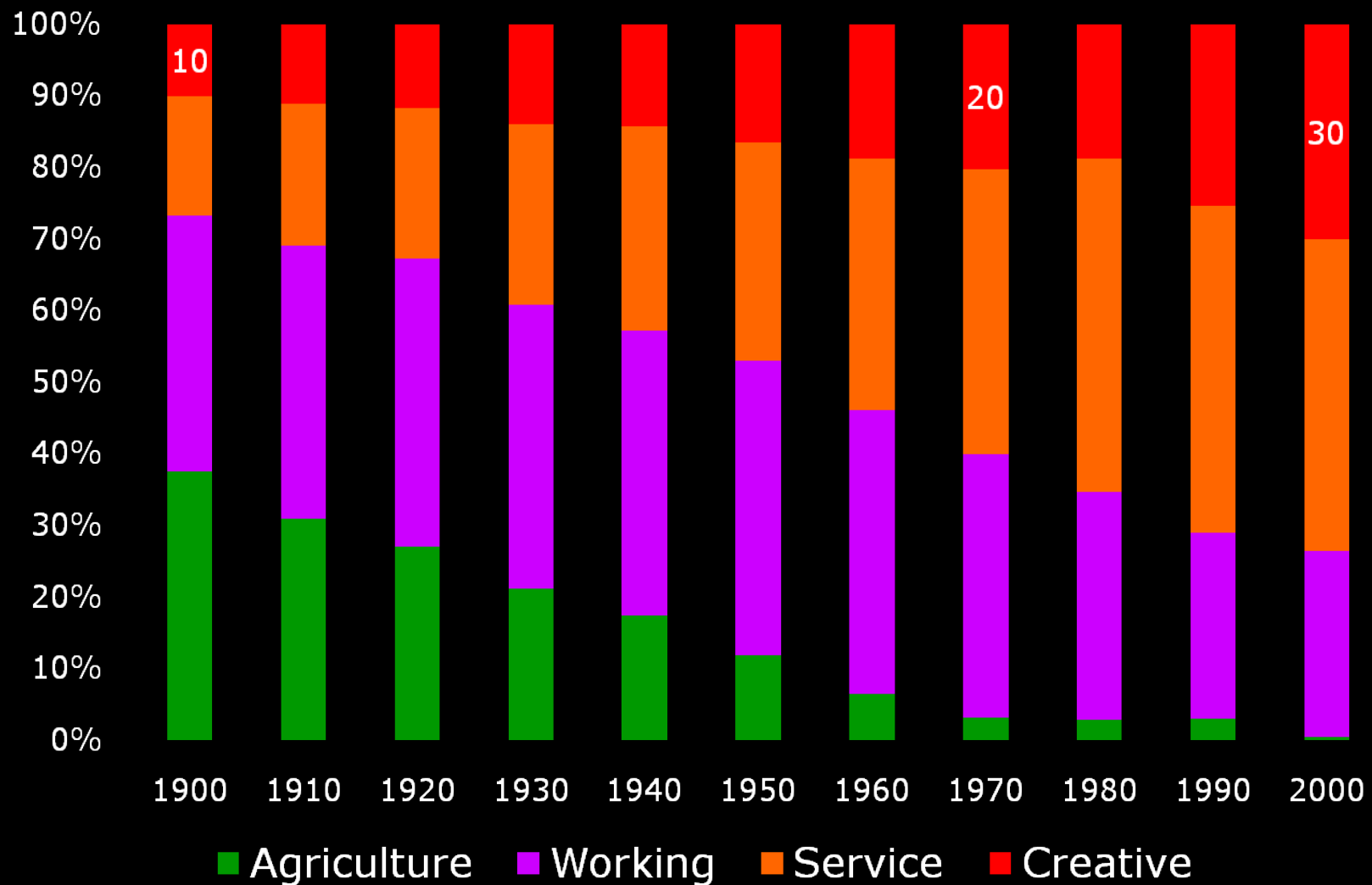
curiosity

# Growth of the creative class



Florida, R. (2002). *The rise of the creative class* (p. 332). New York, NY: Basic Books.

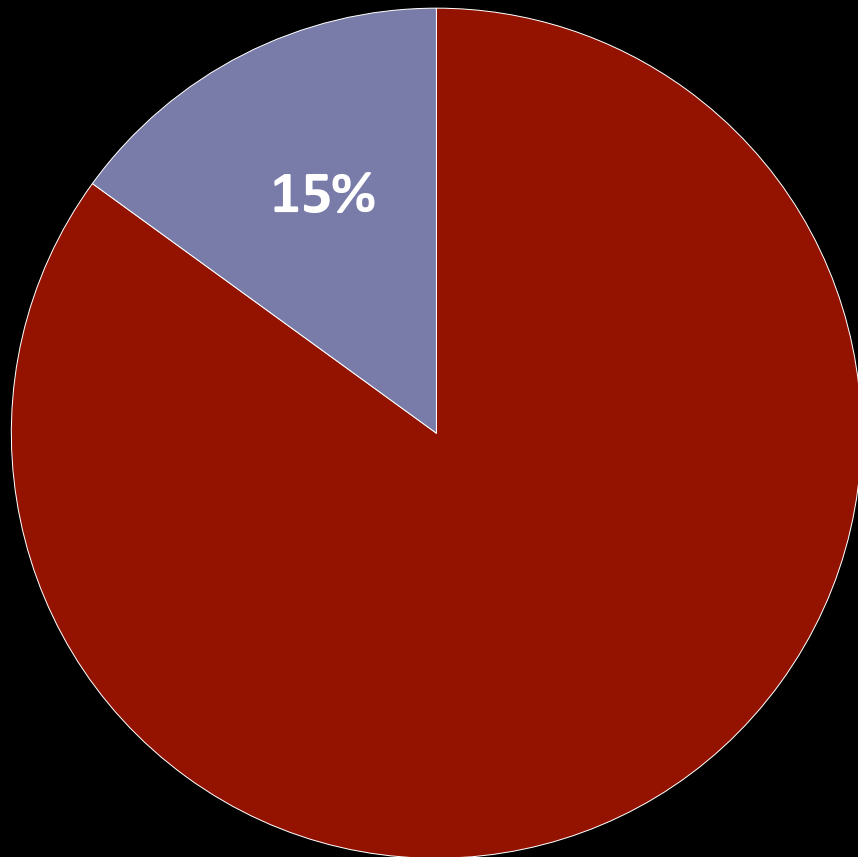
# Growth of the creative class



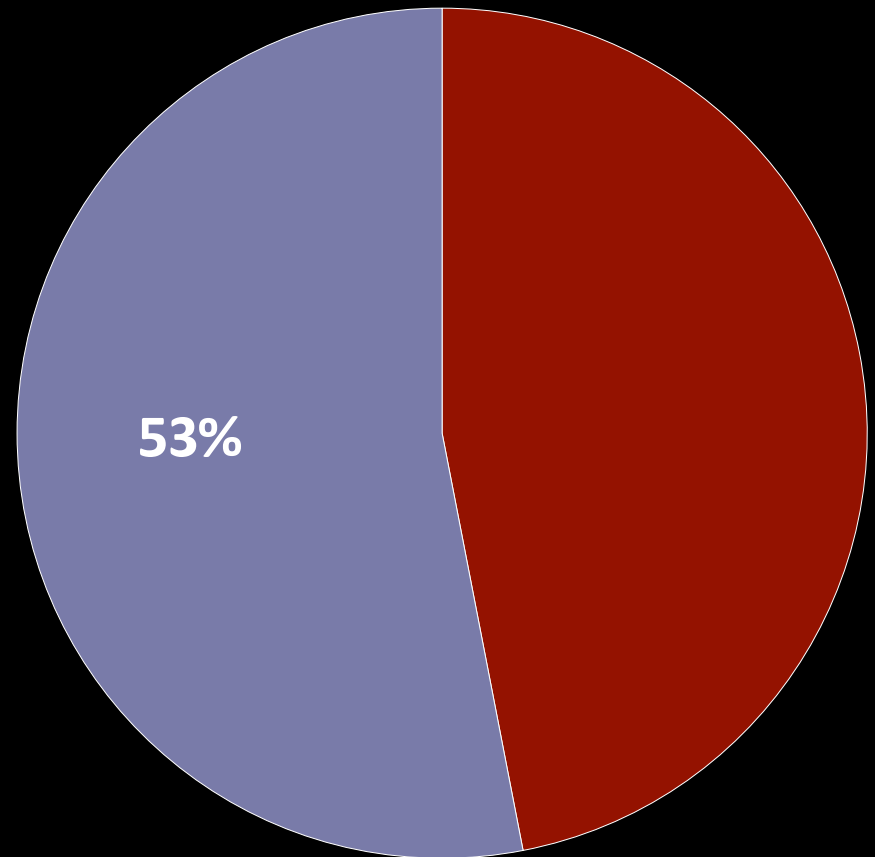
Florida, R. (2002). *The rise of the creative class* (p. 332). New York, NY: Basic Books.

# MANUFACTURING IN IOWA

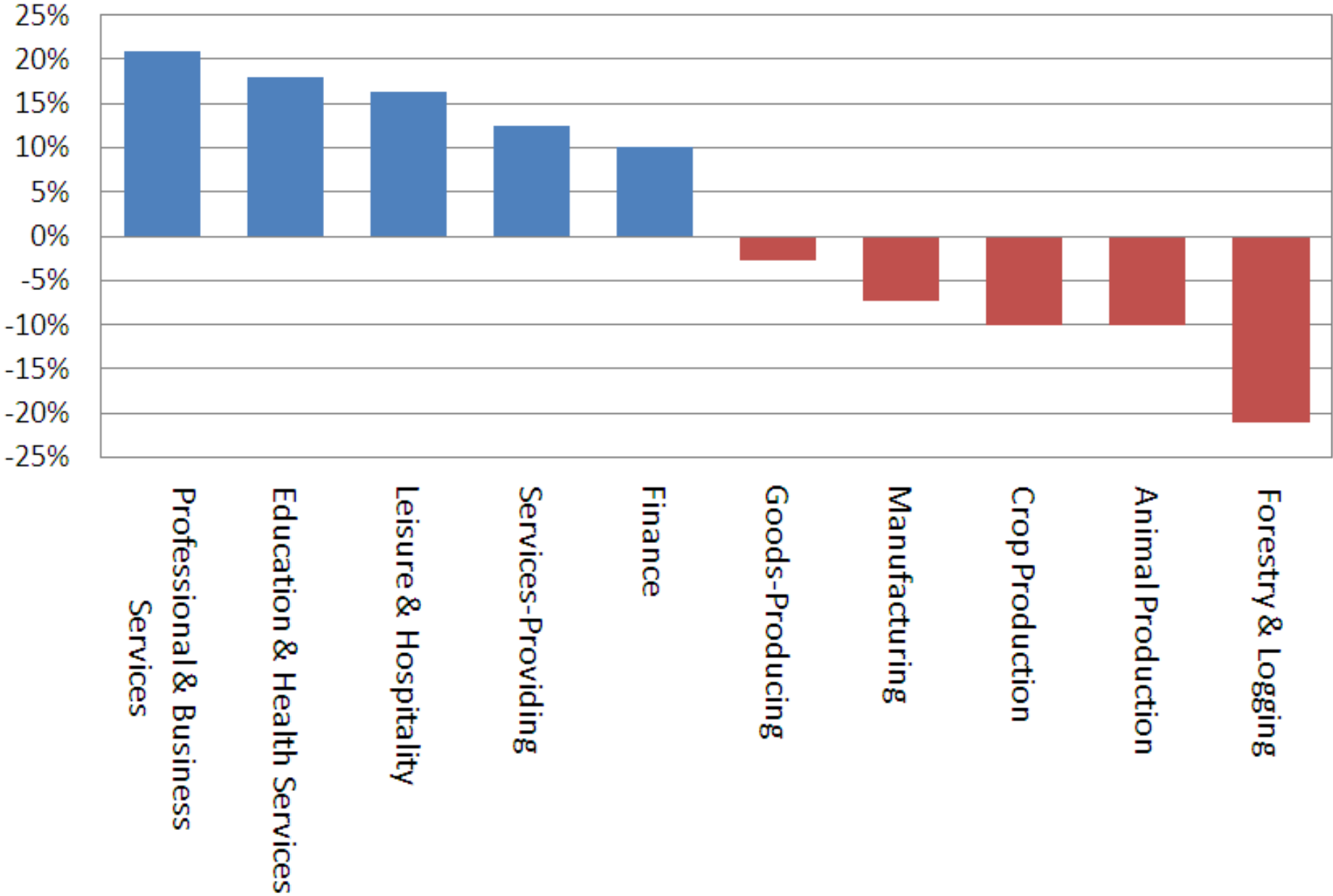
**% of all Iowa jobs  
in May '08**



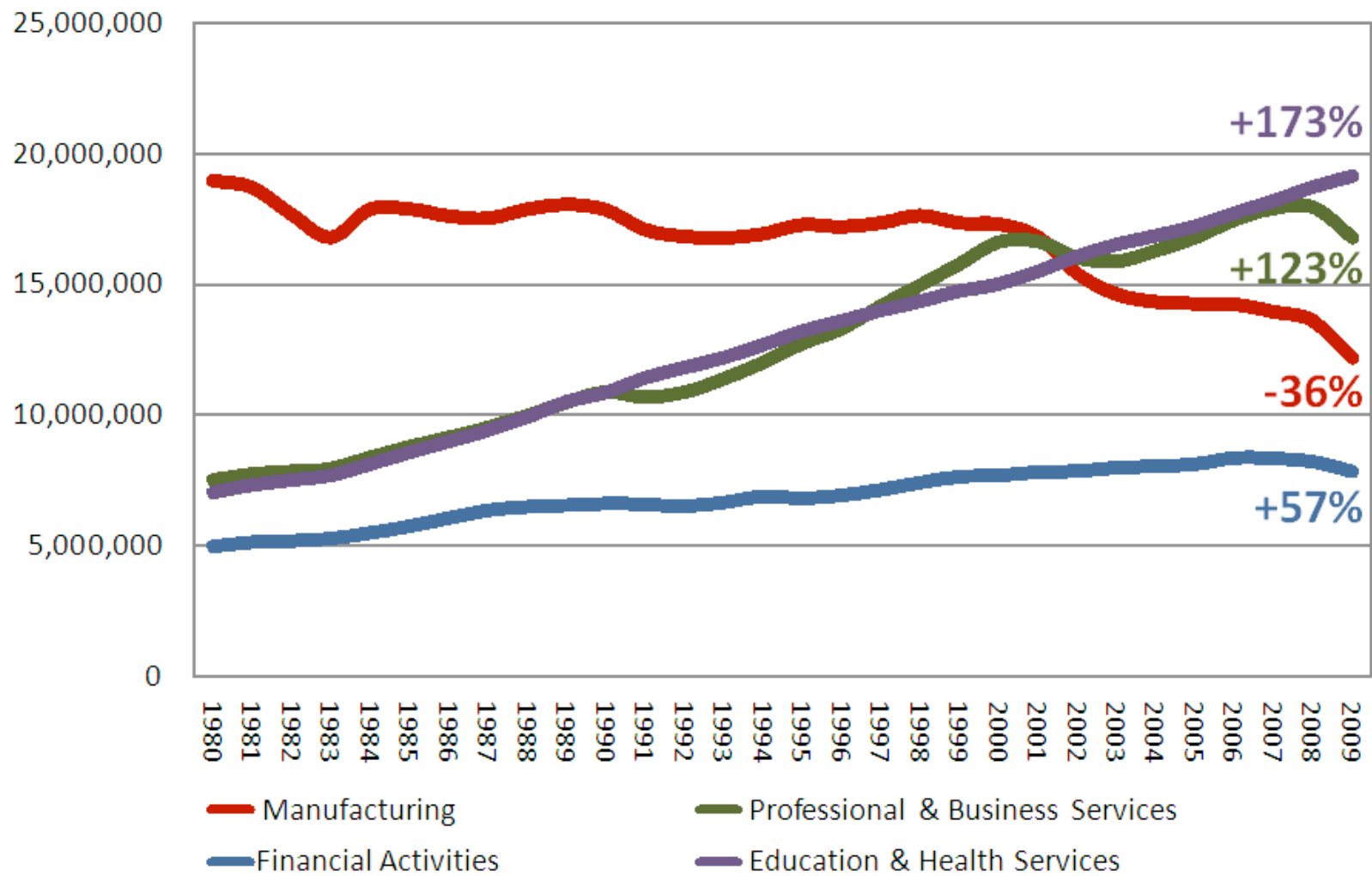
**% of overall job losses  
by Sep '09**



**Kentucky Workforce Projections, 2006-2016**



## EMPLOYMENT BY SECTOR United States, 1980 to 2009



# **Globalization of economy**

**Can someone overseas  
do it cheaper?**

**Can a computer  
do it faster?**

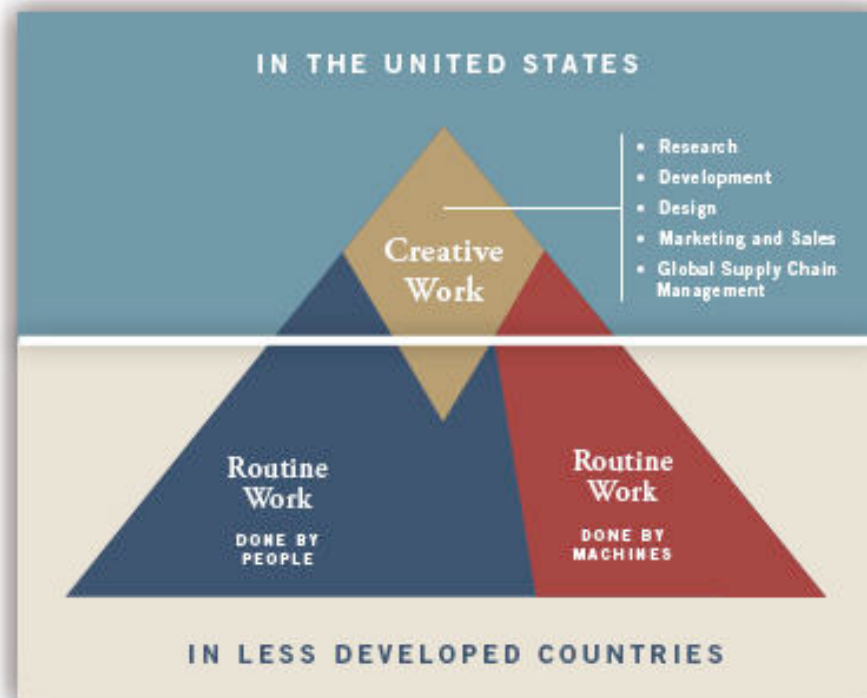




**2.5 billion**

## PROTOTYPICAL U.S. INDUSTRY

*in 10 years if all goes well*



**Hyperconnected  
global economy**

**Offshoring**

**Replacement of  
jobs with software**

**Characteristics  
of the job**

**NOT**

**Characteristics  
of the person**

**[ pause ]**

**1 big  
problem**

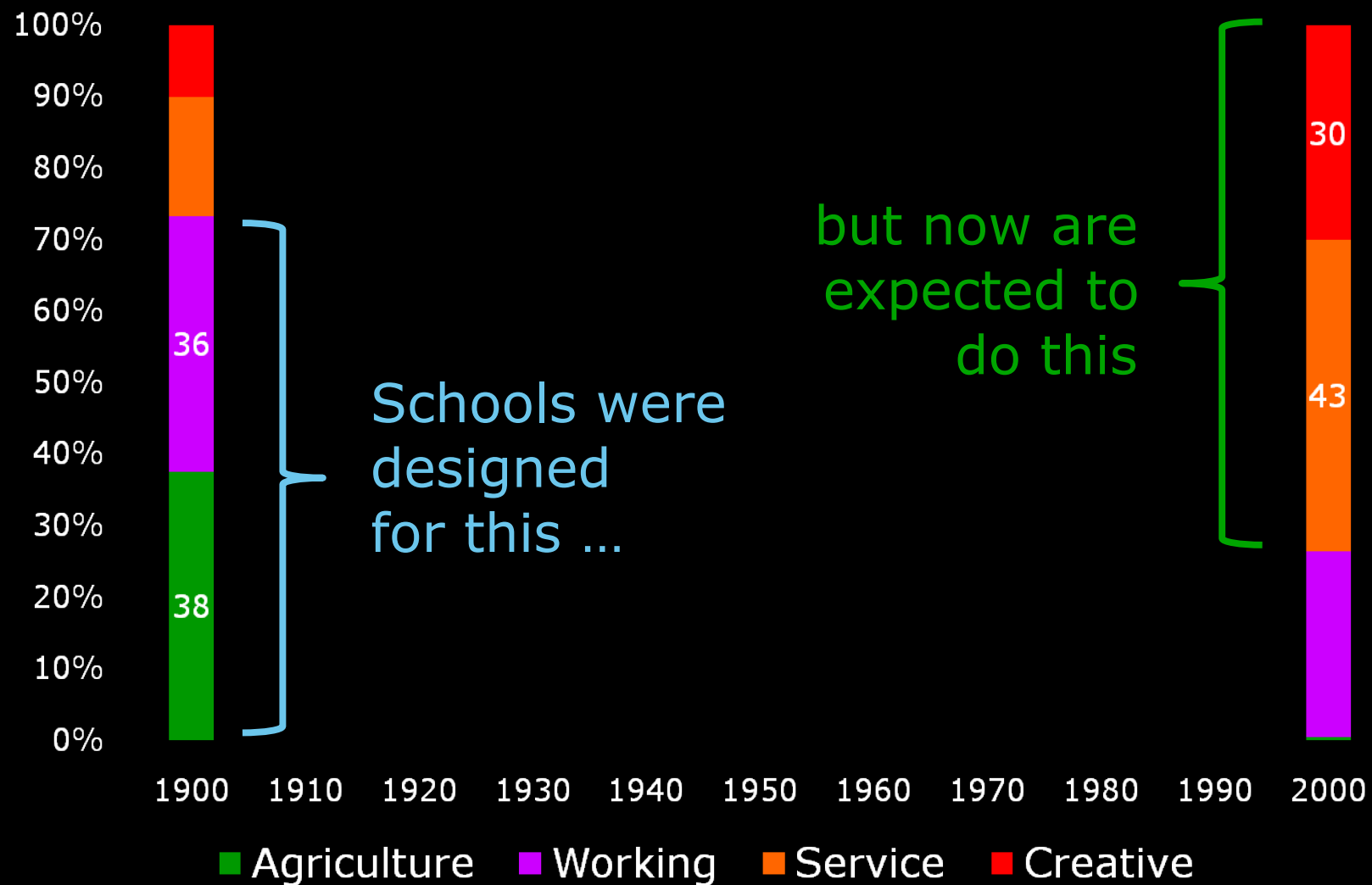
**Socially functional**

**Mastery of information  
landscape**

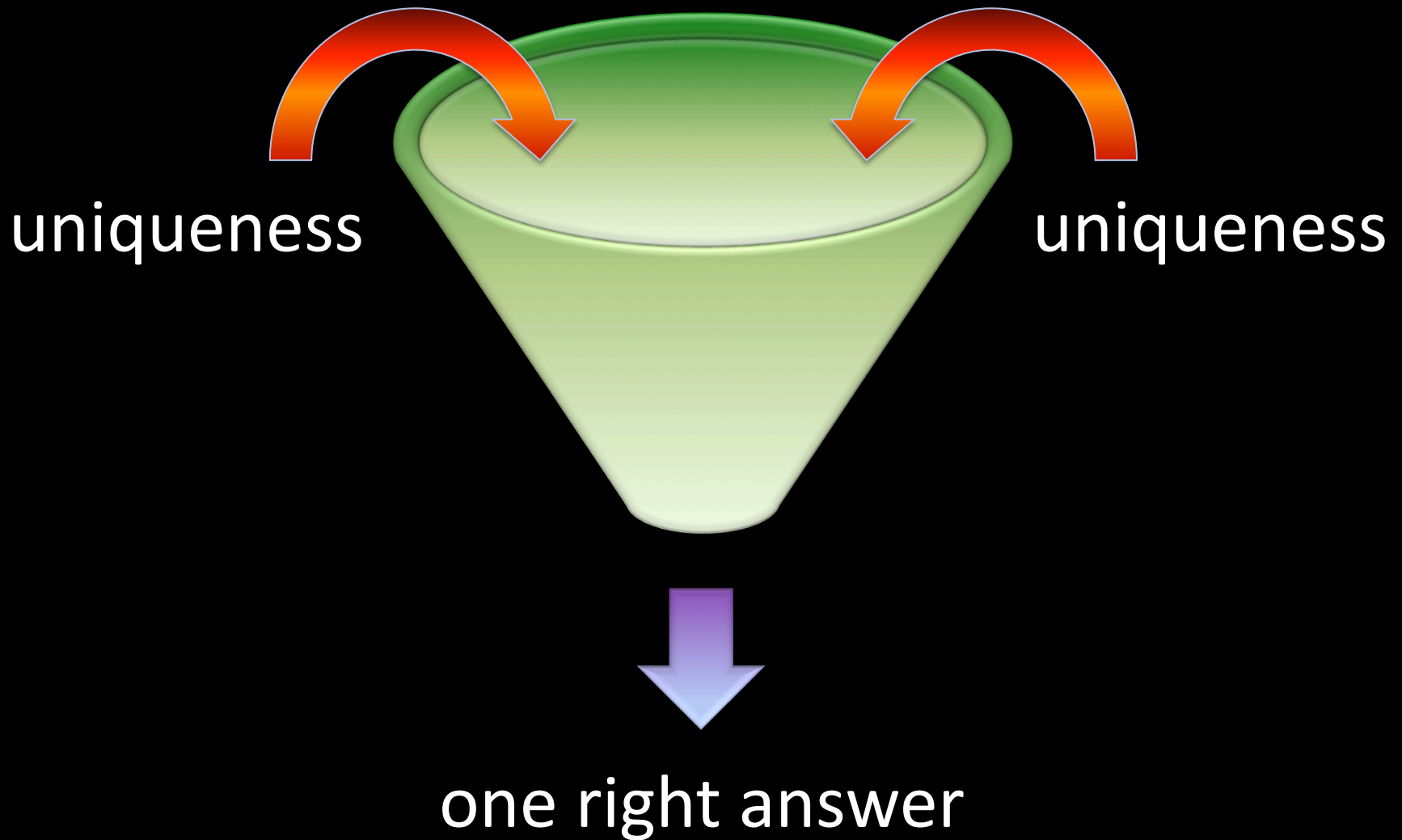
**Economically productive**



# The fundamental dilemma



What we have right now



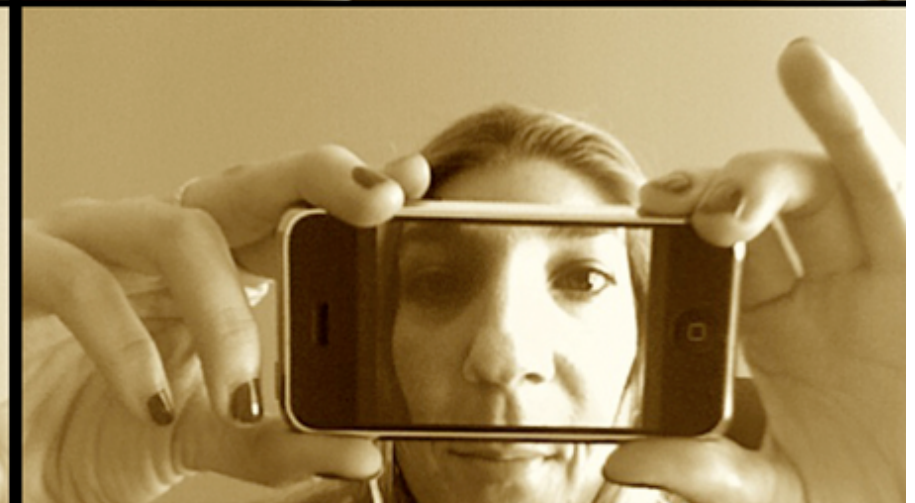
DALE'S FOURTH-GRADE  
EDUCATION PAYS OFF.

THE JOB YOU ARE  
APPLYING FOR WILL  
REQUIRE YOU TO KNOW  
LONG DIVISION, STATE  
CAPITALS AND CURSIVE  
WRITING.

dangerouslyirrelevant.org



www.flickr.com/photos/katiew/2300035809



What are we going to ask on our tests, when our students are walking in with Google in their pocket? Are they going to be better questions than we ask today? David Warlick





The average fifth grader received five times as much instruction in basic skills as instruction focused on problem solving or reasoning; this ratio was 10:1 in first and third grades.

Robert C. Pianta, et al., *Opportunities to Learn in America's Elementary Classrooms* (2007)  
[study of 2500+ classrooms in more than 1,000 elementary schools and 400 school districts]

Classrooms in which there was evidence of higher-order thinking: **3 percent.**

Classrooms in which high-yield [instructional] strategies were being used: **0.2 percent.**

Classrooms in which fewer than one-half of students were paying attention: **85 percent.**

Mike Schmoker, *Results Now* (2006) [citing a study of 1,500+ classroom observations]

When you code classroom practice  
for level of cognitive demand . . .  
80% of the work is at the factual  
and procedural level. . . .  
[Teachers] will do low-level work  
and call it high-level work.

Richard Elmore, excerpt from *Education Leadership as the Practice of Improvement* (2006)

The data from our observations in more than 1,000 classrooms support the popular image of a teacher standing or sitting in front of a class imparting knowledge to a group of students. Explaining and lecturing constituted the most frequent teaching activities ...

Teachers also spent a substantial amount of time observing students at work or monitoring their seat-work ...

Three categories of student activity marked by passivity - written work, listening, and preparing for assignments - dominate ... The chances are better than 50–50 that if you were to walk into any of the classrooms of our sample, you would see one of these three activities under way ... All three activities are almost exclusively set and monitored by teachers. We saw a contrastingly low incidence of activities invoking active modes of learning.

John Goodlad, *A Place Called School* (1984)

What students do in the classroom is what they learn (as Dewey would say) . . . Now, what is it that students *do* in the classroom? Well, mostly, they sit and listen to the teacher. . . . Mostly, they are required to *remember*. . . . It is practically unheard of for students to play any role in determining what problems are worth studying or what procedures of inquiry ought to be used. . . . Here is the point: *Once you have learned how to ask questions – relevant and appropriate and substantial questions – you have learned how to learn and no one can keep you from learning whatever you want or need to know* . . . [However,] what students are restricted to (solely and even vengefully) is the process of memorizing . . . somebody else's answers to somebody else's questions. It is staggering to consider the implications of this fact. The most important intellectual ability man has yet developed – the art and science of asking questions – is not taught in school! Moreover, it is *not* “taught” in the most devastating way possible: by arranging the environment so that significant question asking is not valued. It is doubtful if you can think of many schools that include question-asking, or methods of inquiry, as part of their curriculum.

The chief source of the “problem of discipline” in schools is that ... a premium is put on physical quietude; on silence, on rigid uniformity of posture and movement; upon a machine-like simulation of the attitudes of intelligent interest. The teachers’ business is to hold the pupils up to these requirements and to punish the inevitable deviations which occur.

John Dewey, *Democracy and Education* (1916)

DECEMBER 18, 2006

www.time.com



**SPY STORY**  
A TALE OF POISON, POLITICS  
AND REVENGE

**THE YEAR'S BEST  
PICTURES**  
HIGHS, LOWS & HEAD BUTTS



# TIME



**How  
To Build a  
Student  
For the  
21st Century**

BY CLAUDIA WALLIS  
& SONJA STEPTOE

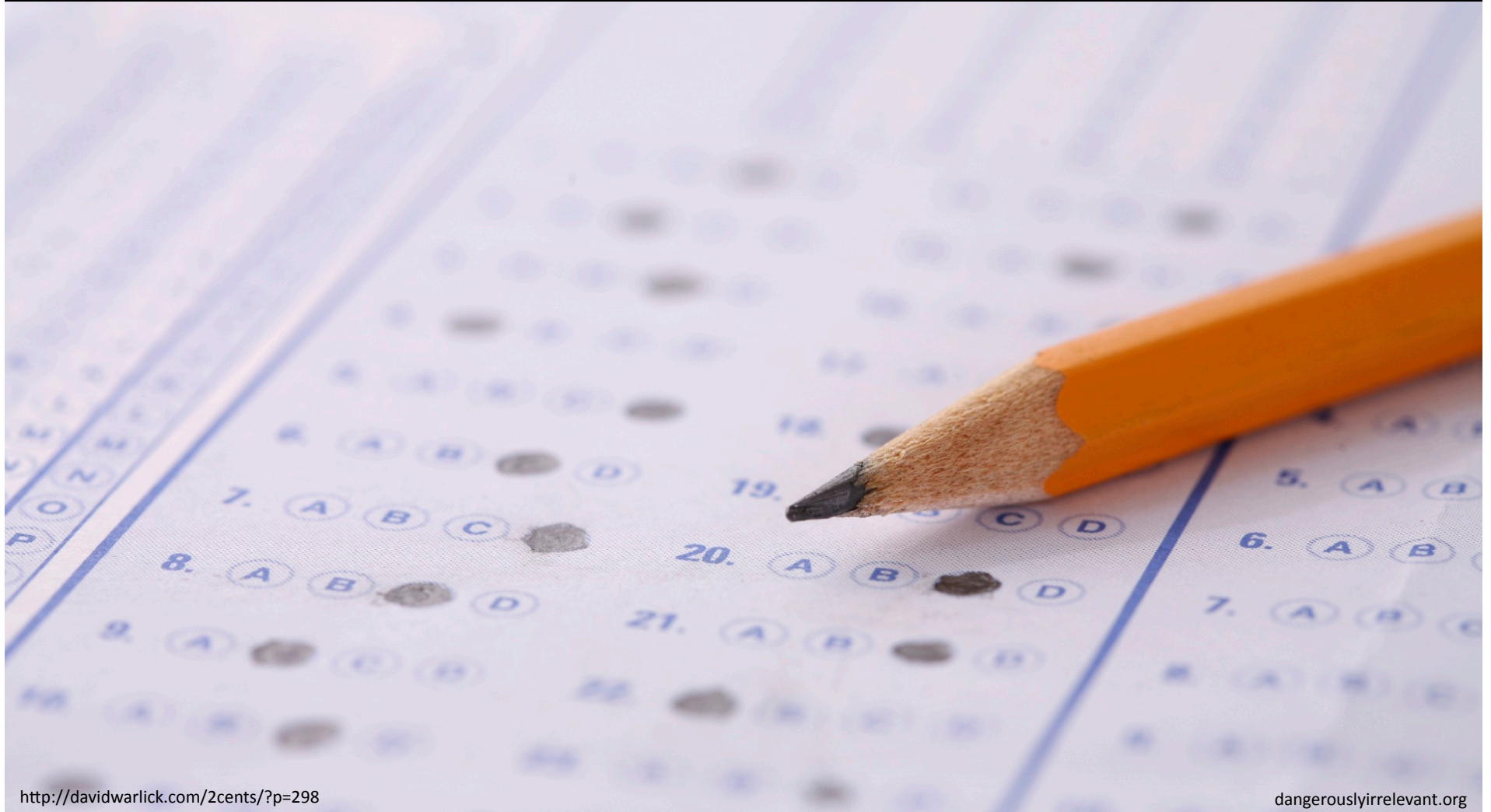


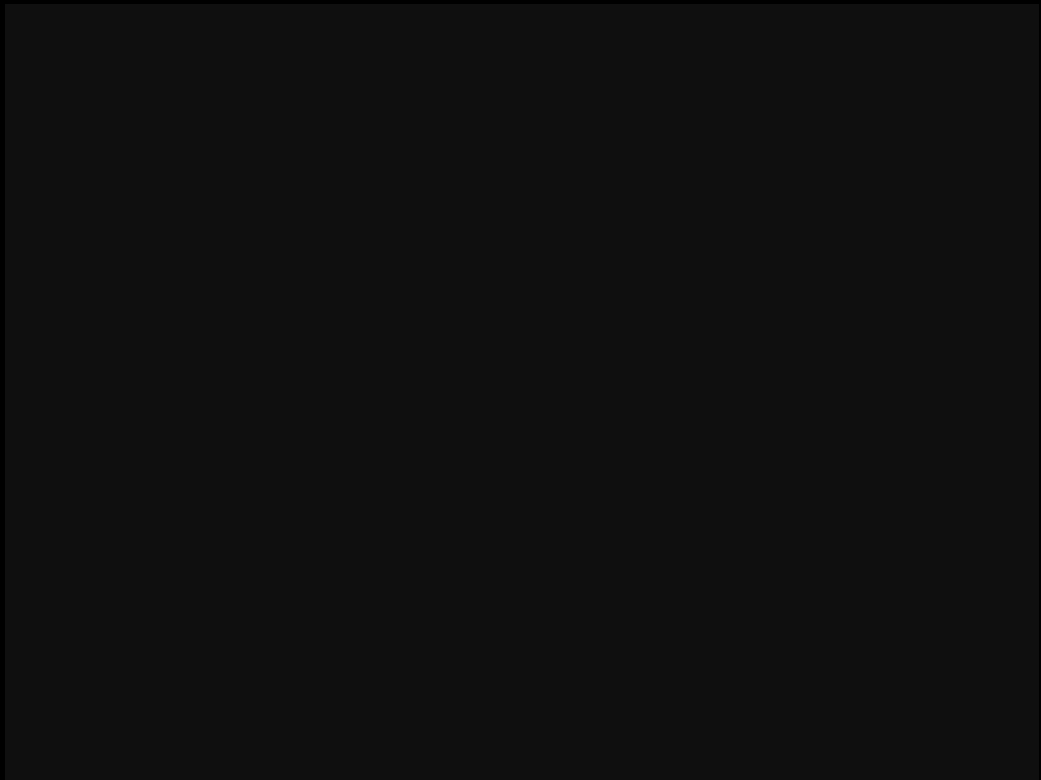
While we teach  
whatever we  
teach at school,  
the kids go home  
and learn the  
skills they need to  
survive and  
prosper in an  
interconnected  
global economy.

Clarence Fisher

No generation in history has ever been so thoroughly prepared for the industrial age.

David Warlick





**[ pause ]**

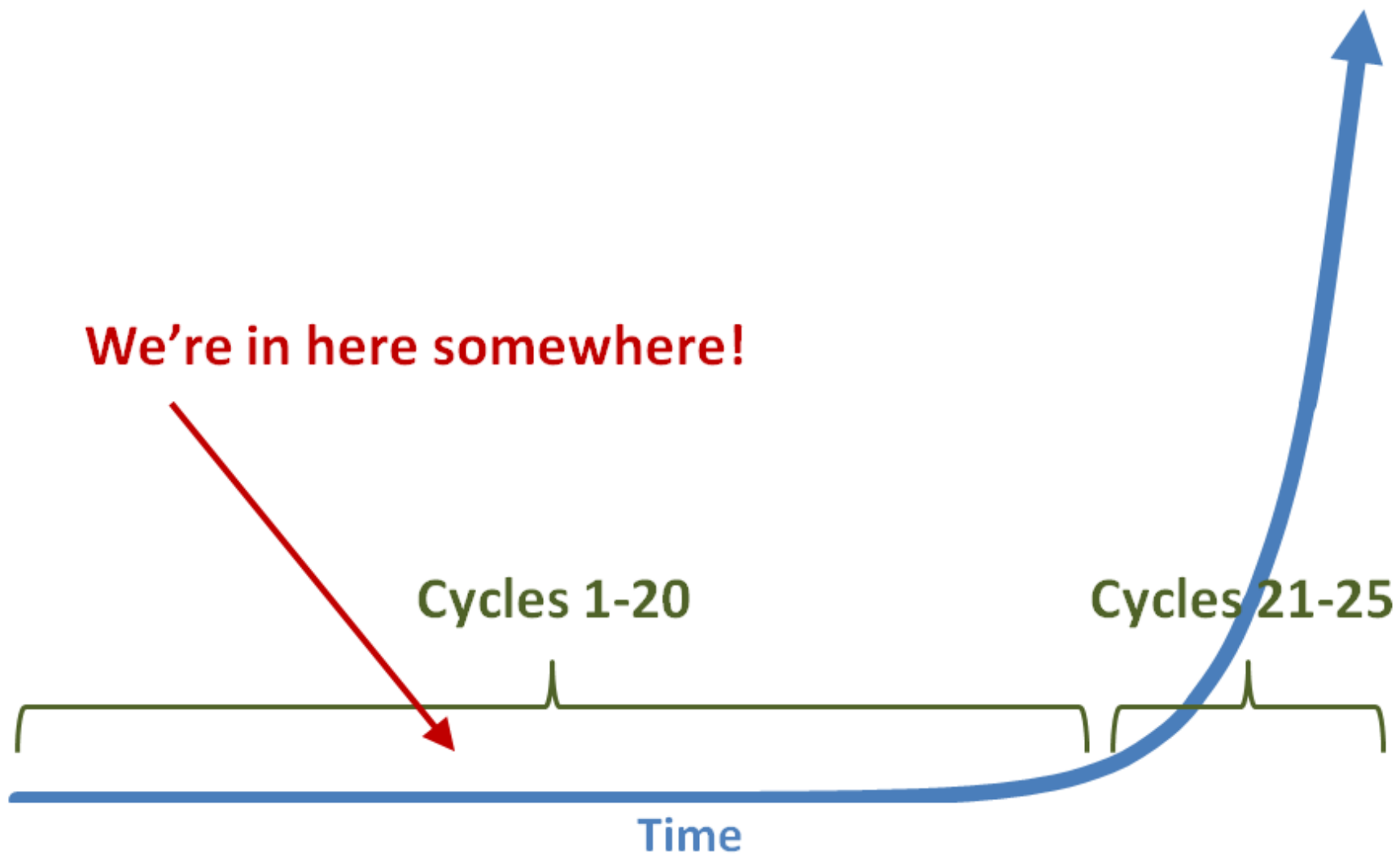
# Takeaways

**K-12 education is  
facing multiple  
disruptive  
innovations.**

**The existing  
educational model is  
not a given.**

**This is sneaking up  
on most school  
organizations.**

**We're in here somewhere!**



**We're moving this direction!**



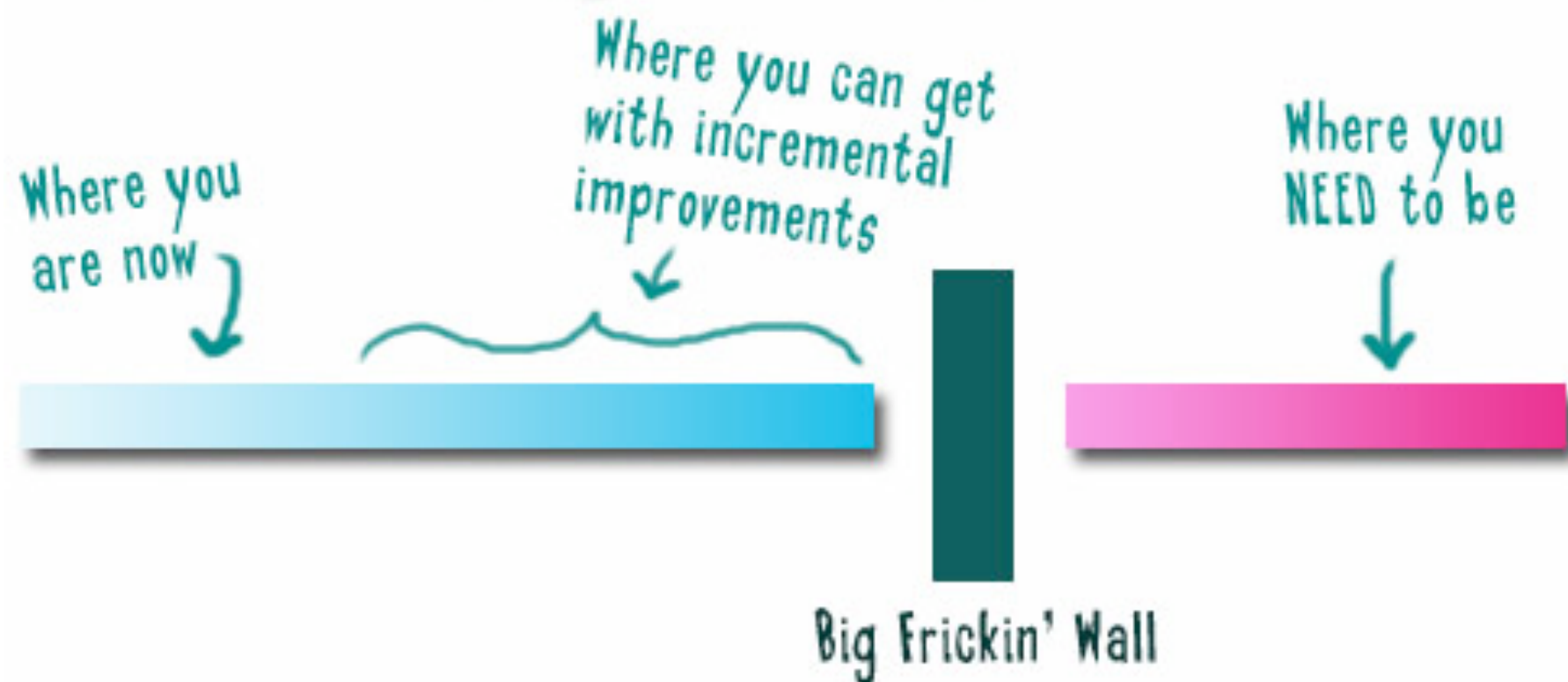
**Cycles 1-20**

**Cycles 21-25**



**Time**

# Incremental vs. revolutionary improvements...



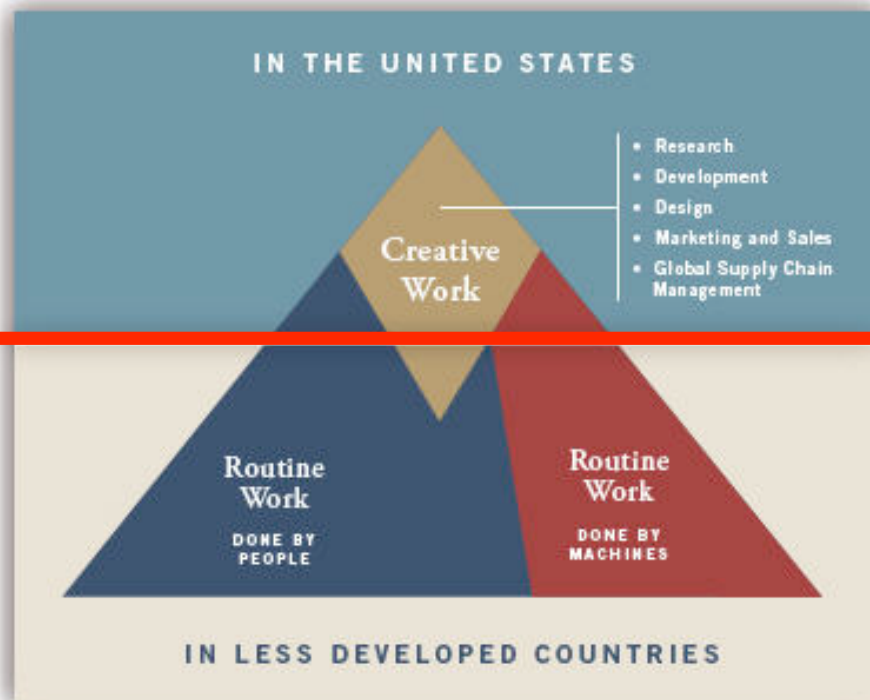
# The 21st century is here.

(Isn't it time we started  
preparing students for it?)



## PROTOTYPICAL U.S. INDUSTRY

*in 10 years if all goes well*



## New Bloom's Taxonomy

[snipurl.com/blooms](http://snipurl.com/blooms)

